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(54) Title: STRUCTURAL MOTIFS AND OLIGOMERIC COMPOUNDS AND THEIR USE IN GENE MODULATION

(57) Abstract: Oligomer compositions comprising first and second oligomers are provided wherein at least a portion of the first oligomer is capable of hybridizing with at least a portion of the second oligomer, at least a portion of the first oligomer is complementary to and capable of hybridizing to a selected target nucleic acid, and at least one of the first or second oligomers has a non-linear secondary structure or is part of a multiple oligomer assembly. Oligonucleotide/protein compositions are also provided comprising an oligomer complementary to and capable of hybridizing to a selected target nucleic acid and at least one protein comprising at least a portion of an RNA-induced silencing complex (RISC), wherein the oligomer has a non-linear secondary structure or is part of a multiple oligomer assembly.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/02, 21/04; C12N 15/85, 15/86; A61K 48/00; C12P 19/34; C12Q 01/68
US CL : 435/6, 91.1, 325, 375; 536/24.3, 24.5; 514/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/6, 91.1, 325, 375; 536/24.3, 24.5; 514/44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
STN, medline, caplus, lifesci, embase, uspatfull, biosis

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 94/23026 A1 (GENSET) 13 October 1994 (10.13.94), see entire document.	1-83
Y	ZHOU ET AL. Post-transcriptional suppression of gene expression in Xenopus embryos by small interfering RNA. Nucleic Acids Research. February 2002, Vol. 30, No. 7, pages 1664-1669, see entire document.	1-83
Y	WO 01/29058 A1 (UNIVERSITY OF MASSACHUSETTS) 26 April 2001 (26.04.01), see entire document.	1-83

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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